IN THE CLAIMS

A marked-up version of the claims, showing changes made, may be found in Appendix A, attached hereto. Below is a clean set of all pending claims, submitted under 37 C.F.R. §1.121(c)(3), incorporating any additions, cancellations, and amendments thereto. Please substitute these claims for pending claims of the same number.

What is claimed is:

1.   A method of communicating between electronic devices comprising:

operating a first device at a first hopping frequency during a first period of time and at a second hopping frequency during a second period of time;

operating a second device at the first hopping frequency, the second device communicating with the first device during the first period of time; and

operating a third device at the second hopping frequency, the third device communicating with the first device during the second period of time.

2.   The method of claim 1, wherein the second and third devices communicate with the first device during the first and second periods of time, respectively, within a single block

4.   The method of claim 1, wherein the second device communicates with the first device outside of the contention-free period.

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7.   The method of claim 1 further comprising:

    sending a signal from the third device to the first device, the signal requesting communication with the first device; and

    determining a time frame for the second period of time in response to receiving the signal.

8.   The method of claim 7, further comprising indicating the time frame to the second device.

9.   The method of claim 1, wherein the third device communicates with the first device during a contention-free period, and the second device communicates with the first device outside of the contention-free period.

10.   A method of wirelessly communicating with electronic devices comprising:

    receiving a first signal from a first device operating at a first hopping frequency;

    sending a second signal to a second device operating at a second hopping frequency in response to receiving the first signal, the second signal indicating a time frame for a contention-free period; and

    communicating with the first device at the first hopping frequency during the contention-free period.

11.   The method of claim 10, further comprising communicating with the second device outside of the contention-free period.

12.   The method of claim 10, wherein sending the second signal to the second device and communicating with the first device are done within a single block.

13.   The method of claim 10, further comprising sending an initiating signal to the first device to detect its presence, and the first signal is sent in response to the initiating signal.

14.   The method of claim 10, wherein communication with the first device is done within the same block in which the second signal is sent

15.   The method of claim 10, wherein the first device is a Bluetooth device and the second device is a HomeRF device.

16.   A computer system programmed to implement the method of claim 10.

17.   An electronic device comprising:

      a receiver to detect a first signal from a first device operating at a first
            hopping frequency;

      a processor to determine a time frame for a contention-free period;

      a transmitter to send a second signal to a second device operating at a
            second hopping frequency, the second signal to indicate the time frame

for the contention-free period, the transmitter to further communicate with the first device at the first hopping frequency during the contention-free period.

18.   The device of claim 17, wherein the first device is a Bluetooth device.

19.   The device of claim 18, wherein the second device is a HomeRF device.

20.   The device of claim 17, wherein the second device is a HomeRF device.

21.   The device of claim 17, wherein the electronic device is a computer system.

22.   A computer readable medium having stored thereon a set of instructions that, when executed by a computer, cause the computer to:

receive a first signal from a first device operating at a first hopping frequency;

determine a time frame for a contention-free period;

send a second signal to a second device operating at a second hopping frequency, the second signal indicating the time frame for the contention-free period; and

communicate with the first device at the first hopping frequency during the contention-free period.

23. The medium of claim 22, wherein the set of instructions further cause the computer to communicate with the second device outside of the contention-free period.

24. The medium of claim 22, wherein the first device is a Bluetooth device and the second device is a HomeRF device.

25. The medium of claim 22, wherein the contention free period resides within a single block.

26. An electronic device comprising:

   a first mode of operation in which the electronic device is to communicate in accordance with a first wireless communication protocol; and

   a second mode of operation in which the electronic device is to communicate in accordance with a second wireless communication protocol during at least a portion of a block associated with the first wireless communication protocol.

27. The electronic device of claim 26, wherein a first hopping frequency is associated with the first wireless communication protocol.

28. The electronic device of claim 27, wherein a second hopping frequency is associated with the second wireless communication protocol.

29. The electronic device of claim 28, wherein the portion is to occur during a contention-free period associated with the first wireless communication protocol.

30. The electronic device of claim 26, wherein the portion is to occur during a contention-free period associated with the first wireless communication protocol.